Performance Data Sheet

VSA9512ZXG

General Information

Model	VSA9512ZXG	**Refrigerant**	R-404A
Test Condition	ARI	**Performance Test Voltage**	380V 3~ 50HZ
Return Gas	4.4°C (40°F) RETURN GAS	**Motor Type**	3PH

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
0	Btu/h	9850	8910	8040	7230	6520	5890	5380
	Watts	1100	1270	1430	1590	1750	1900	2040
	Amps	2.30	2.51	2.72	2.92	3.11	3.28	3.45
	Lb/h	163	160	156	154	151	149	147
5	Btu/h	10800	9850	8900	8010	7190	6460	5820
	Watts	1100	1280	1450	1620	1780	1940	2090
	Amps	2.29	2.51	2.73	2.94	3.14	3.34	3.53
	Lb/h	183	180	176	173	170	168	165
10	Btu/h	12000	10900	9870	8880	7950	7100	6320
	Watts	1100	1280	1460	1630	1800	1970	2140
	Amps	2.27	2.50	2.72	2.95	3.17	3.38	3.59
	Lb/h	206	202	198	195	192	188	185
15	Btu/h	13400	12200	11100	9980	8920	7930	7000
	Watts	1100	1280	1460	1640	1820	2000	2180
	Amps	2.25	2.48	2.72	2.95	3.19	3.42	3.64
	Lb/h	231	227	223	219	215	212	208
20	Btu/h	15200	13900	12700	11400	10200	9080	7990
	Watts	1100	1280	1470	1650	1840	2030	2210
	Amps	2.22	2.46	2.71	2.95	3.20	3.44	3.69
	Lb/h	258	254	250	246	241	237	233
25	Btu/h	17500	16100	14700	13400	12000	10700	9410
	Watts	1100	1280	1470	1660	1860	2050	2250
	Amps	2.20	2.45	2.70	2.95	3.21	3.47	3.73
	Lb/h	289	284	280	275	270	266	261
30	Btu/h	20500	18900	17400	15900	14400	12900	11400
	Watts	1100	1290	1480	1680	1880	2080	2280
	Amps	2.19	2.43	2.69	2.95	3.22	3.49	3.77
	Lb/h	322	317	312	307	302	297	292

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.826501E+04	-2.946281E+02	5.053340E-01	1.913163E+02
C2	1.891642E+02	3.352268E+00	2.103179E-03	3.804315E+00

C3	-1.020004E+02	1.708231E+01	2.179490E-02	-3.432723E-01
C4	2.528244E+00	2.136947E-02	4.251717E-05	4.113774E-02
C5	1.049667E+00	-1.538365E-01	-2.627243E-04	5.988060E-03
C6	-1.876296E-01	1.491541E-02	2.620436E-05	-6.706259E-04
C7	1.704078E-01	2.782582E-03	3.330641E-06	2.267712E-04
C8	-2.874995E-02	-1.592635E-03	-2.478204E-06	-9.256072E-06
C9	-1.244225E-02	1.521025E-03	2.624282E-06	-6.255368E-05
C10	1.847274E-03	-1.279632E-04	-2.264417E-07	6.190044E-06

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature

Performance Data Sheet

VSA9512ZXG

General Information

Model	VSA9512ZXG	**Refrigerant**	R-404A
Test Condition	ARI	**Performance Test Voltage**	460V 3~ 60HZ
Return Gas	4.4°C (40°F) RETURN GAS	**Motor Type**	3PH

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
0	Btu/h	13600	12600	11600	10500	9410	8250	7040
	Watts	1350	1530	1710	1890	2070	2260	2450
	Amps	2.42	2.58	2.74	2.89	3.06	3.22	3.39
	Lb/h	198	196	193	191	188	185	182
5	Btu/h	15200	14100	13000	11800	10600	9380	8090
	Watts	1360	1540	1730	1920	2110	2300	2500
	Amps	2.44	2.61	2.77	2.94	3.11	3.29	3.47
	Lb/h	223	220	218	215	212	209	206
10	Btu/h	16600	15400	14200	13000	11700	10400	9040
	Watts	1370	1560	1750	1940	2140	2330	2540
	Amps	2.45	2.62	2.80	2.98	3.16	3.34	3.53
	Lb/h	250	248	245	242	239	236	233
15	Btu/h	18000	16800	15500	14100	12800	11300	9890
	Watts	1370	1570	1760	1960	2160	2370	2570
	Amps	2.45	2.63	2.82	3.01	3.20	3.39	3.59
	Lb/h	280	277	274	271	268	265	262
20	Btu/h	19400	18000	16600	15200	13700	12200	10700
	Watts	1370	1570	1780	1980	2190	2390	2600
	Amps	2.45	2.64	2.84	3.03	3.23	3.43	3.64
	Lb/h	313	310	307	304	301	297	294
25	Btu/h	20700	19300	17800	16200	14700	13000	11400
	Watts	1380	1590	1790	2000	2210	2420	2640
	Amps	2.46	2.66	2.86	3.06	3.27	3.48	3.69
	Lb/h	348	345	342	339	335	332	328
30	Btu/h	22100	20500	18900	17200	15600	13800	12100
	Watts	1390	1600	1810	2020	2240	2450	2670
	Amps	2.46	2.67	2.88	3.09	3.30	3.52	3.74
	Lb/h	386	383	380	376	373	369	366

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.135441E+04	-5.639560E+01	1.222113E+00	2.172869E+02
C2	4.518393E+02	-7.229286E+00	-1.228692E-02	4.819447E+00

C3	-1.001281E+02	1.766780E+01	1.519330E-02	-2.442159E-01
C4	-7.382275E-01	-7.528292E-02	-1.469580E-04	5.387191E-02
C5	-1.835013E+00	1.272133E-01	2.102418E-04	-2.257976E-03
C6	1.261271E-01	-5.266928E-03	-7.675577E-06	3.102226E-04
C7	2.223180E-02	3.125661E-03	4.403769E-06	5.964282E-05
C8	-1.241946E-02	-7.929201E-04	-1.062863E-06	-2.366424E-05
C9	1.373478E-03	-1.550974E-05	-3.013297E-08	1.818551E-06
C10	-1.008246E-03	4.892986E-05	7.062361E-08	-2.506088E-06

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature